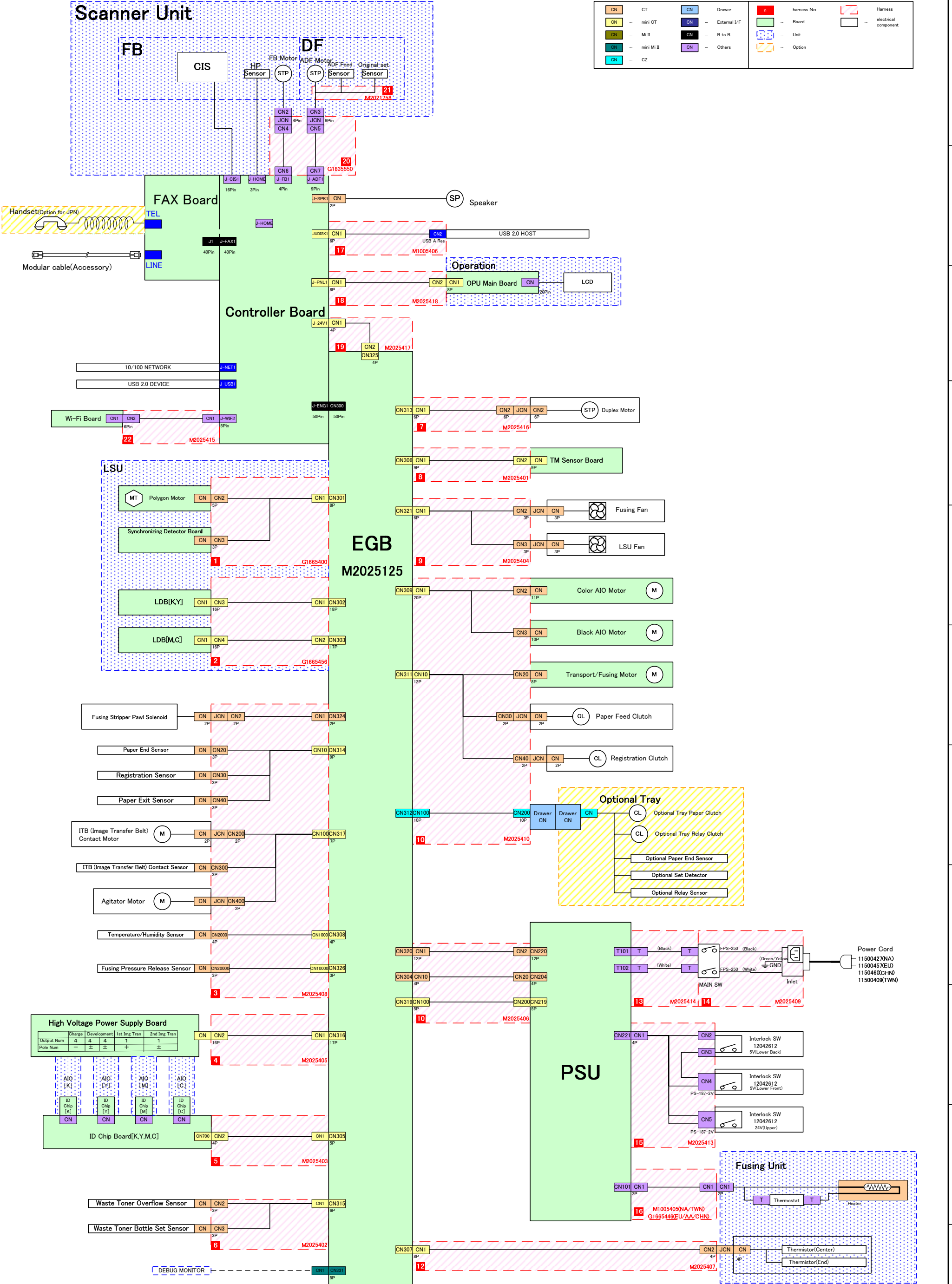


M203/M204 Point To Point DIAGRAM and Harnesses



M203/M204 Entire Pin Assignment List

Harness	Connector(FROM)			Pin	Signal Information				Harness	Connector(TO)					
	No.	Access Point No.	Destination		Signal Name	Direction	L	H		No.	Access Point No.	Destination	Pin		
G1665400	CN1	CN301	EGB M2025125	1	+24V					CN2	CN	Polygon Motor GX060025	5		
				2	GND								4		
				3	A PMON	→	Start	Stop					3		
				4	SCRDY_N	←	Synchro	Not Synchro					2		
				5	A PMCLK	→					CN3	CN	Synchronizing Detector Board G1665270	1	
				6	A DETP_N_KC	←				3					
				7	+5V					2					
				8	GND					1					
G1665456	CN1	CN302	EGB M2025125	1	GND					CN3	CN	LDB[K,Y] G1665263	16		
				2	GND									15	
				3	GND									14	
				4	A LDLVL2_Y	→								13	
				5	A LDLVL0_K	→								12	
				6	A LDERR_N	→	Normal	Trouble					11		
				7	LDOFF2_Y	→							10		
				8	LDOFF0_K	→							9		
				9	APC2EN_N_Y	→							8		
				10	APC0EN_N_K	→							7		
				11	LDDT0_K	→							6		
				12	LDDT0_N_K	→							5		
				13	-										
				14	LDDT2_Y	→							4		
				15	LDDT2_N_Y	→							3		
				16	-										
				17	+5V_LD								2		
				18	+5V_LD								1		
	CN2	CN303		1	GND					CN4	CN	LDB[M,C] G1665265	16		
				2	GND								15		
				3	GND								14		
				4	A LDLVL1_M	→							13		
				5	A LDLVL3_C	→							12		
				6	A LDERR_N	→	Normal	Trouble					11		
				7	LDOFF1_M	→							10		
				8	LDOFF3_C	→							9		
				9	APC1EN_N_M	→							8		
				10	APC3EN_N_C	→							7		
				11	LDDT3_C	→							6		
				12	LDDT3_N_C	→							5		
				13	LDDT1_M	→							4		
				14	LDDT1_N_M	→							3		
				15	-										
				16	+5V_LD								2		
				17	+5V_LD								1		
M2025408	CN1	CN324	EGB M2025125	1	+24V_IL					CN2		Fusing Stripper Pawl Solenoid GX100001	1		
				2	A_SOL_FU_P	→	ON	OFF					2		
				CN10	CN314	1	GND					CN20		Paper End Sensor AW020198	3
						2	A_SEN_PAPEND_N	→	Detect Paper	Not Detect					2
						3	+5V								1
						4	GND								
						5	A_SEN_REG_N	→	Detect Paper	Not Detect					3
						6	+5V					CN30		Registration Sensor AW020198	2
						7	GND								1
	8	A_SEN_PAPOUT_N				→	Detect Paper	Not Detect		3					
	9	+5V								CN40		Paper Exit Sensor AW020198	2		
							1								
	CN100	CN317		1	A_DM_1TCSPCCW	→				G1665457	CN200		ITB (Image Transfer Belt) Contact Motor GX040024	1	
				2	A_DM_1TCSPCW	→								2	
				3	GND					CN300		ITB (Image Transfer Belt) Contact Sensor AW020198	3		
				4	A_SEN_1TCSP	→	Separate	Attach					2		
				5	+5V								1		
				6	A_DM_TONER_P	→	ON	OFF					1		
				7	+24V_IL_FU1								G1665457	CN400	
	1	A_SEN_TEMP_A		→				4							
	CN1000	CN308		2	GND					CN2000		Temperature/Humidity Sensor AW140015	3		
				3	A_SEN_HUM_A	→							2		
				4	+5V								1		
	CN10000	CN326		1	GND					CN20000		Fusing Pressure Release Sensor AW020198	3		
				2	A_SEN_TRSET_P	→	Release	Normal					2		
3				+5V					1						
M2025405	CN1	CN316	EGB M2025125	1	GND					CN2	CN	High Voltage Power Supply Board GZ300004	16		
				2	GND									15	
				3	+24V_IL									14	
				4	+24V_IL									13	
				5	A_HVPERR_N	→	SC						12		
				6	A_HVPERR2	→							11		
				7	HVPBION_N	→	ON	OFF					10		
				8	PWM_2T_+	→							9		
				9	PWM_2T_-	→							8		
				10	PWM_1T	→							7		
				11	PWM_DC	→							6		
				12	PWM_DM	→							5		
				13	PWM_DY	→							4		
				14	PWM_DK	→							3		
				15	PWM_CCMY	→							2		
				16	PWM_CK	→							1		
				17	GND										
M2025403	CN1	CN305	EGB M2025125	1	GND					CN2	CN700	ID Chip Board G1665280	4		
				2	A_SDA	↔							3		
				3	A_SCL	→							2		
				4	+5V_ID								1		
				5	-										
M2025402	CN1	CN315	EGB M2025125	1	GND					CN2		Waste Toner Overflow Sensor G1666584	3		
				2	A_SEN_TONERFULL_P	→		Full					2		
				3	+5V								1		
				4	GND					CN3		Waste Toner Bottle Set Sensor AW020198	3		
				5	A_SEN_TONERBTL_N	→	Set	Not Set					2		
				6	+5V								1		
M2025416	CN1	CN313	EGB M2025125	1	A_SM_DUPA_P	→				CN2		Duplex Motor GX041120	6		
				2	+24V_SM								5		
				3	A_SM_DUPAB_P	→							4		
				4	A_SM_DUPB_P	→							3		
				5	+24V_SM								2		
				6	A_SM_DUPBB_P	→							1		
M2025401	CN1	CN306	EGB M2025125	1	GND					CN2	CN	TM Sensor Board G1666174	9		
				2	A_SEN_TM1PWM	→							8		
				3	A_SEN_TM1R_A	→							7		
				4	A_SEN_TM3CR_A	→							6		
				5	+5V								5		
				6	A_SEN_TM3PWM	→							4		
				7	A_SEN_TM3CD_A	→							3		
				8	A_SEN_TM2L_A	→							2		
				9	A_SEN_TM2PWM	→							1		

Harness	Connector(FROM)			Pin	Signal Information				Harness	Connector(TO)					
	No.	Access Point No.	Destination		Signal Name	Direction	L	H		No.	Access Point No.	Destination	Pin		
M2025404	CN1	CN321	EGB M2025125	1	A FAN_MIN	→				CN2		Fusing Fan AX640199	1		
				2	A FAN_MINLOCK_P	←	Normal	Trouble					2		
				3	GND								3		
				4	A FAN_FU	→				CN3		LSU Fan AX640199	1		
				5	A FAN_FULOCK_P	←	Normal	Trouble					2		
				6	GND								3		
M2025410	CN1	CN309	EGB M2025125	1	A_DM_COLGAIN	→	Low Speed	High Speed		CN2	CN	Color AIO Motor GX061150	11		
				2	A_DM_COLCLK	→							10		
				3	A_DM_COLON_N	→	Start	Stop					9		
				4	A_DM_COLLOCK_P	←	Normal	Trouble					8		
				5	GND								7		
				6	GND								6		
				7	+24V_IL								5		
				8	+24V_IL								4		
				9	+24V_IL								3		
				10	GND								2		
										1					
				11	A_DM_BWMIDGAIN	→	Low Speed	High Speed		CN3	CN	Black AIO Motor GX061149	10		
				12	A_DM_BWMIDCLK	→							9		
				13	A_DM_BWMIDBK_P	→		Brake					8		
				14	A_DM_BWMIDCW	→	Normal Rotation	Reverse Rotation					7		
				15	A_DM_BWMIDON_N	→	Start	Stop					6		
				16	A_DM_BWMIDLOCK_P	←	Normal	Trouble					5		
				17	GND								4		
				18	GND								3		
				19	+24V_IL								2		
	20	+24V_IL				1									
	CN10	CN311	1	A_DM_FEEDFUGAIN	→	Low Speed	High Speed		CN20	CN	Transport/Fusing Motor GX061148	8			
			2	A_DM_FEEDFUCLK	→							7			
			3	A_DM_FEEDFUON_N	→	Start	Stop					6			
			4	A_DM_FEEDFULOCK_P	←	Normal	Trouble					5			
			5	GND								4			
			6	GND								3			
			7	+24V_IL								2			
			8	+24V_IL								1			
			9	+24V_IL											
			10	A_CL_PAP_P	→	ON	OFF					CN30		Paper Feed Clutch GX201123	1
			11	+24V_IL					2						
			CN100	CN312	12	A_CL_REG_P	→		ON	OFF		CN200		Optional Tray G84927	1
					1	A_CL_OPPAP_P	→		ON	OFF					2
					2	+24V_IL_FU2									10
					3	GND									9
					4	A_SEN_OPPAPEND_N	←		Detect Paper	Not Detect					8
					5	+5V									7
					6	A_CL_OPFEED_P	→		ON	OFF					6
					7	+24V_IL_FU2									5
					8	A_SEN_OPSET_N	←		Set	NOT Set					4
	9	A_SEN_OPJAM_P			←	Detect Paper	Not Detect	3							
	10	+5V				2									
	M2025406	CN1	CN320	EGB M2025125	1	GND					CN2	CN220	PSU GZ230081(NA/TWN) GZ230082(EU/AA) GZ230083(CHN)	12	
					2	GND								11	
					3	GND								10	
					4	+24V_IL								9	
					5	+24V_IL								8	
					6	+24V_IL								7	
					7	GND								6	
8					+5V				5						
9					GND				4						
10					+3.3VE				3						
CN10		CN304	11		GND						CN20	CN204		2	
			12		+5VE									1	
			1		+5V_LD									4	
			2		GND									3	
			3		+24V									2	
			4		GND									1	
CN100		CN319	1		A_SLP_PSU	→					CN200	CN219		5	
			2		HTRLON_P	→								4	
			3		A_ZEROXI	←								3	
			4		HTTRON0_P	→								2	
			5		GND									1	
M2025407	CN1	CN307	EGB M2025125	1	A_TH_HEAT_A	←				CN2	CN	Fusing Unit M0964017(NA) M0964019(TWN) M0964027(EU)	4		
				2	GND								3		
				3	A_TH_EDGE_A	←							2		
				4	GND								1		
				5	A_SEN_FUSET_N	←									
				6	GND										
				7	A_SEN_FUNEW_N	←									
				8	GND										
M2025414	T	T101	PSU GZ230081(NA/TWN) GZ230082(EU/AA) GZ230083(CHN)	T101	AC-L				T		MAIN SW 12042757				
	T	T102		T102	AC-N				T						
M2025409			MAIN SW 12042757		AC-L						Inlet 1005099				
M2025413	CN221	CN1	PSU (NA/TWN) GZ230081 (EU/AA)/GZ230082 (CHN)/GZ230083	1	+5.1V(LPS Compatible)				CN2			InterLock SW 12042612	1		
									CN3				2		
									CN4			InterLock SW 12042612	1		
				2	+5.1V(LPS Compatible,Via IL)				CN5			InterLock SW 12042612	2		
				3	+24V								1		
M1005405 (NA/TWN) G1665446 (EU/AA/CHN)	CN1	CN101	PSU GZ230081(NA/TWN) GZ230082(EU/AA) GZ230083(CHN)	4	+24V(ViaL)							2			
				1	AC-L				CN1	CN1		Fusing Unit M0964017(NA) M0964019(TWN) M0964027(EU)	1		
M1005406	CN1	JUDISK1	CTL A. C Model M2045653 L. B Model M2025653	2	AC-N					CN2		USB TypeA Receptacle	2		
				1	VBUS								1		
				2	D-								2		
				3	D+								3		
				4	DGND								4		
				5											
M2025418	CN1	J-PNL1	CTL A. C Model M2045653 L. B Model M2025653	6	FG					CN2	CN1	OPU Main Board M2021466	FG		
				1	Panel SDI	←							8		
				2	Panel SDO	→							7		
				3	GND								6		
				4	Panel IRQ	←							5		
				5	PNL RESETn	→							4		
				6	GND								3		
				7	+3.3V								2		
8	+5V				1										

Harness	Connector(FROM)			Pin	Signal Information				Harness	Connector(TO)			
	No.	Access Point No.	Destination		Signal Name	Direction	L	H		No.	Access Point No.	Destination	Pin
M2025417	CN2	CN325	EGB M2025125	1	GND					CN1	J-24V1	Controller Board A, C Model M2045653 L, B Model M2025653	1
				2	GND								2
				3	+24V								3
				4	+24V								4
	CN	J-SPK1	CTL	1	SP+					CN		SpeakerG1835300	1
				2	SP-								2
B TO B		CN300	EGB M2025125	1	HSYNC_N	→					J-ENG1	Controller Board A, C Model M2045653 L, B Model M2025653	1
				2	LGATE_N	←							2
				3	GND								3
				4	PCLK	←							4
				5	GND								5
				6	P0DAT0_N_K	←							6
				7	P0DAT2_N_K	←							7
				8	P0DAT3_N_K	←							8
				9	P1DAT1_N_M	←							9
				10	P1DAT2_N_M	←							10
				11	P1DAT3_N_M	←							11
				12	P2DAT0_N_Y	←							12
				13	P2DAT2_N_Y	←							13
				14	P2DAT3_N_Y	←							14
				15	P3DAT1_N_C	←							15
				16	P3DAT2_N_C	←							16
				17	P3DAT3_N_C	←							17
				18	VP1FGATE_N_M	→							18
				19	VP2FGATE_N_Y	→							19
				20	PREQ_N	←							20
				21	IREADY_N	→							21
				22	COMMAND	←							22
				23	STATUS	→							23
				24	3.3VE								24
				25	3.3VE								25
				26	GND								26
				27	GND								27
				28	GND								28
				29	GND								29
				30	GND								30
				31	GND								31
				32	P0DAT1_N_K	←							32
				33	GND								33
				34	P1DAT0_N_M	←							34
				35	GND								35
				36	GND								36
				37	GND								37
				38	P2DAT1_N_Y	←							38
				39	GND								39
				40	P3DAT0_N_C	←							40
				41	PON	→							41
				42	FUKKI	←							42
				43	VP0FGATE_N_K	→							43
				44	VP3FGATE_N_C	→							44
				45	SLP_N	←							45
				46	ENGRDY	→							46
				47	5VE								47
				48	3.3VE								48
				49	5VE								49
				50	3.3VE								50
B TO B		J-FAX1	CTL A, C Model M2045653 L, B Model M2025653	1	+24V FAX	→				J1	FAX Board M2045672(NA) M2045674(EU,CHN) M2045676(TWN)	1	
				2	GND							2	
				3	+24V FAX	→						3	
				4	GND							4	
				5	+5V FAX	→						5	
				6	GND							6	
				7	+5V FAX	→						7	
				8	FAX_RX	←						8	
				9	GND							9	
				10	GND							10	
				11	GND							11	
				12	RESET FAX	→						12	
				13	+3.3V FAX	→						13	
				14	GND							14	
				15	+3.3V FAX	→						15	
				16	FAX_IRQ	←						16	
				17	GND							17	
				18	GND							18	
				19	GND							19	
				20	GND							20	
				21	FAX_CS _n	→						21	
				22	FAX_SDO	→						22	
				23	FAX_SDI	←						23	
				24	GND							24	
				25	FAX_SCK	→						25	
				26	GND							26	
				27	DTMF_D0	←						27	
				28	DTMF_D1	←						28	
				29	DTMF_D2	←						29	
				30	DTMF_D3	←						30	
				31	DTMF_DV	←						31	
				32	GND							32	
				33	FAX_TYPE1	←						33	
				34	GND							34	
				35	FAX_TYPE2	←						35	
				36	GND							36	
				37	off Hook	←						37	
				38	GND							38	
				39	GND							39	
				40	GND							40	
G1835550	CN7	J-ADF1	CTL A, C Model M2045653 L, B Model M2025653	1	3.3V					-	-	Scanner Unit DF M2020080	-
				2	GND								-
				3	ADF Jam Sensor	←							-
				4	3.3V								-
				5	ADF Paper Sensor	←							-
				6	ADF Motor B-	↔							-
				7	ADF Motor B+	↔							-
				8	ADF Motor A+	↔							-
				9	ADF Motor A-	↔							-
	CN6	J-FB1		1	FB Motor B-	↔				-	-	Scanner Unit FB FB Motor B, C Model: M2021600 L, A Model: M2011600	-
				2	FB Motor B+	↔							-
				3	FB Motor A+	↔							-
				4	FB Motor A-	↔							-

Harness	Connector(FROM)			Pin	Signal Information				Harness	Connector(TO)			
	No.	Access Point No.	Destination		Signal Name	Direction	L	H		No.	Access Point No.	Destination	Pin
M2025415	CN1	J-WIFI1	CTL A. C Model M2045653 L. B Model M2025653	1	PDN	←				CN	CN	Wi-Fi Board M2025001	2
				2	3.3V								6
				3	HSDM	↔							4
				4	HSDP	↔							3
				5	GND								1
		J-CIS1	CTL A. C Model M2045653 L. B Model M2025653	1	VO1	←					CN1	Scanner Unit FB CIS Carriage Unit B. C Model M2021600 L. A Model M2011600	1
				2	GND								2
				3	VO2	←							3
				4	GND								4
				5	VO3	←							5
				6	MODE	→							6
				7	VREF	→							7
				8	GND								8
				9	CLK	→							9
				10	VDD								10
				11	SP	→							11
				12	LED COM	→							12
				13	LEDB	→							13
				14	LEDG	→							14
				15	LEDR	→							15
				16	FG								16
		J-HOME	CTL A. C Model M2045653 L. B Model M2025653	1	FB_home	←					CN1	Scanner Unit FB HP Position Sensor B. C Model M2021600 L. A Model M2011600	1
				2	GND								2
				3	VO2								3
External I/F		J-NET1	CTL A. C Model M2045653 L. B Model M2025653	1	TX+	→						10/100 NETWORK	1
				2	TX-	→							2
				3	RX-	←							3
				4	NG(GND)								4
				5	NG(GND)	→							5
				6	RX+	←							6
				7	NG(GND)								7
				8	NG(GND)								8
				9	G LED-								
				10	G LED+								
				11	Y LED-								
				12	Y LED+								
External I/F		J-USB1	CTL A. C Model: M2045653 L. B Model: M2025653	1	VBUS							USB DEVICE	1
				2	Data-	↔							2
				3	Data+	↔							3
				4	GND								4

COLOR MULTIFUNCTION PRINTER(M203/ M204) ELECTRICAL COMPONENT LAYOUT

Color Multifunction Printer(M203 / M204)

Symbol	Index No.	Description	P to P
Motors			
M1	17	Duplex	CD4
M2	7	LSU Fan	CD5
M3	6	Fusing Fan	CD5
M4	22	Color AIO	CD5
M5	21	Black AIO	CD6
M6	18	Transport/Fusing	CD6
M7	13	Polygon	G4
M8	14	ITB Contact	GH7
M9	16	Agitator	G8
M10	41	Scanner	F1
M11	40	ADF	F1
Magnetic Clutches			
CL1	19	Registration	CD7
CL2	20	Paper Feed	CD6
Switches			
SW1	5	Main	B8
SW2	8,47	Interlock	B9,10
Sensors			
S1	23	Waste Toner Overflow	GH10
S2	24	Waste Toner Bottle Set	GH11
S3	1	Temperature/Humidity	G8
S4	29	Paper End	G7
S5	28	Registration	G7
S6	26	Fusing Pressure Release	G8
S7	27	Paper Exit	G7
S8	25	ITB Contact	GH8
S9	38	Original Set	E1
S10	39	ADF Feed	F1
S11	42	HP	F1

Feed Unit (G849)

Symbol	Index No.	Description	P to P
Sensors			
S1	43	Paper End Sensor	8BC
S2	44	Relay Sensor	8BC
Magnetic Clutches			
MC1	46	Paper Clutch	7C
MC2	45	Relay Clutch	7C
MC2	45	Relay Clutch	7C

Symbol	Index No.	Description	P to P
PCBs			
PCB1	33	OPU Main Board	DE3
PCB2	37	Controller Board(CTL)	F2-4
PCB3	36	Fax Board	G2
PCB4	30	ID Chip [B,Y,M,C]	GH10
PCB5	3	ID Chip Connecting Board [K,Y,M,C]	GH10
PCB6	9	TM Sensor Board	CD4
PCB7	4	Power Supply Board(PSU)	CD8-10
PCB8	34	Engine Board(EGB)	E3-11
PCB9	10	LD Board[M,C]	GH5
PCB10	11	LD Board[K,Y]	GH6
PCB11	12	Synchronizing Detector Board	GH5
PCB12	2	High Voltage Power Supply Board(HVP)	GH9
PCB13	48	Wi-Fi Board	GH4
Lamp			
L1	32	Fusing	AB10
Others			
SP1	35	Speaker	E2
SOL1	15	Fusing Stripper Pawl Solenoid	G6
TH1	31	Thermistors	AB11

